

REPORT OF CHANNEL CONDITIONS 100 TO 400 FEET WIDE (ER 1130-2-3165)						PAGE 1 OF 2	
						DATE December 11, 2007	
TO: The Record				FROM: U.S. Army Corps of Engineers 26 Federal Plaza, ATTN: CENAN-OP-ST New York, NY 10278-0090			
RIVER/HARBOR NAME AND STATE: Long Island Intracoastal Waterway, New York					MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD		
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)			
LONG ISLAND INTRACOASTAL WATERWAY							
Reach A: From approximately 6,280 feet (ft) southwest of RED BUOY W/ LIGHT #36 in Great South Bay, opposite Patchogue, to GREEN BUOY W/ LIGHT #1	File 212, Sheets 6-12 of 55; 25&26 June 2007; 2 July 2007; 1-3,7,9,13-15,17,22-24,27-30 August 2007	100	3.5	6	2.4	2.4	2.3
Reach B: From approximately 90 ft east of GREEN BUOY W/ LIGHT #1 to approximately 175 ft east of GREEN BUOY W/ LIGHT #11	File 212, Sheets 12-18 of 55; 25&26 June 2007; 2 July 2007; 1-3,7,9,13-15,17,22-24,27-30 August 2007	100	3.7	6	4.8	5.3	5.7
Reach C: From approximately 175 ft east of GREEN BUOY W/ LIGHT #11 to GREEN BUOY W/ LIGHT #9	File 212, Sheets 18-23 of 55; 25&26 June 2007; 2 July 2007; 1-3,7,9,13-15,17,22-24,27-30 August 2007	100	3.4	6	4.2	5.1	4.9
Reach D: From GREEN BUOY W/ LIGHT #9 to the eastern-most point of Tuthill Point	File 212, Sheets 23-29 of 55; 25&26 June 2007; 2 July 2007; 1-3,7,9,13-15,17,22-24,27-30 August 2007	100	3.5	6	1.0	1.0	1.3
Reach E: From the eastern-most point of Tuthill Point to approximately 295 ft west of GREEN BUOY W/ LIGHT #31	File 212, Sheets 29-34 of 55; 25&26 June 2007; 2 July 2007; 1-3,7,9,13-15,17,22-24,27-30 August 2007	100	2.8	6	1.2	0.7	0.7
Reach F: From approximately 295 ft west of GREEN BUOY W/ LIGHT #31 to approximately 855 ft east of GREEN BUOY W/ LIGHT #37	File 212, Sheets 34-37 of 55; 25&26 June 2007; 2 July 2007; 1-3,7,9,13-15,17,22-24,27-30 August 2007	100	2.2	6	5.7	4.9	5.8
Reach G: From approximately 855 ft east of GREEN BUOY W/ LIGHT #37 to approximately 1,500 ft east of MARKER POST W/ RED LIGHT #10	File 212, Sheets 38-40 of 55; 25&26 June 2007; 2 July 2007; 1-3,7,9,13-15,17,22-24,27-30 August 2007	100	1.8	6	5.4	5.4	1.8
Reach H: From approximately 1,500 ft east of MARKER POST W/ RED LIGHT #10 to the Ponquogue Bridge	File 212, Sheets 41-51 of 55; 25&26 June 2007; 2 July 2007; 1-3,7,9,13-15,17,22-24,27-30 August 2007	100	5.7	6	1.3	2.1	1.9
Reach I: From the Ponquogue Bridge to approximately 410 ft south of the Montauk Highway Bridge	File 212, Sheets 51-55 of 55; 25&26 June 2007; 2 July 2007; 1-3,7,9,13-15,17,22-24,27-30 August 2007	100	3.0	6	4.6	5.7	6.3

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REMARKS:

- All depths are in Mean Low Water.
- The channel length is in nautical miles.

LONG ISLAND INTRACOASTAL WATERWAY

- **Reach A:** Shoaling exists in all quarters of the channel beginning approximately 700 ft west of RED BUOY W/ LIGHT #38 for approximately 650 ft. A shoal approximately 240 ft in length exists in the left outside quarter of the channel beginning approximately 860 ft east of RED BUOY W/ LIGHT #38. Shoaling exists in all quarters of the channel beginning approximately 2,100 ft west of GREEN BUOY W/ LIGHT #1 for approximately 480 ft.
- **Reach B:** Shoaling approximately 1,260 ft in length occupies approximately 25% of the right outside quarter of the channel beginning approximately 1,710 ft southwest of RED BUOY W/ LIGHT #6. Beginning approximately 1,500 ft northwest of RED NUN #8, shoaling approximately 1,300 ft in length extends into all quarters of the channel. Shoaling approximately 630 ft in length occupies the left outside quarter and middle half of the channel beginning approximately 400 ft southeast from GREEN CAN #9.
- **Reach C:** Shoaling approximately 840 ft in length occupies the entire right outside quarter of the channel beginning approximately 855 ft east of RED NUN #4. Shoaling approximately 275 ft in length occupies approximately one third of the left outside quarter of the channel beginning 830 ft west of GREEN CAN #5. Shoaling approximately 2,190 ft northeast of GREEN CAN #5 extends into all quarters of the channel for approximately 435 ft. Shoaling approximately 535 ft east of RED NUN #16 extends into all quarters of the channel for approximately 2,200 ft.
- **Reach D:** Shoaling approximately 3,975 ft northeast of GREEN BUOY W/ LIGHT #9 extends into all quarters of the channel for approximately 1,000 ft. Shoaling continues approximately 745 ft further northeast for approximately 1,750 ft and extends into all quarters of the channel. Shoaling beginning approximately 4,875 ft west from the end of Reach D extends into all quarters of the channel for approximately 3,065 ft with a break in shoaling approximately 560 ft in length midway through the shoal. More shoaling approximately 480 ft in length exists in the left outside quarter of the channel at the end of the reach.
- **Reach E:** The majority of the shoaling in the reach begins approximately 2,850 ft from the beginning of the reach and continues for approximately 5,065 ft. The shoaling occupies up to the entire channel width with some breaks in shoaling.
- **Reach F:** Shoaling exists in the right outside quarter of the channel at the turn marked by RED BUOY #34. Spot shoaling from GREEN CAN #35 to the turn marked by GREEN BUOY W/ LIGHT #37 exists in the left outside quarter of the channel occupying up to 75% of the quarter. More shoaling exists at the end of the reach beginning approximately 330 ft west of the Jessup Lane Bridge.
- **Reach G:** Shoaling occupies up to 75% of the left outside quarter of the channel at the turn marked by DAY MARKER W/ GREEN LIGHT #7. Shoaling also occupies up to the entire right outside quarter of the channel at the turn marked by MARKER POST W/ RED LIGHT #10.
- **Reach H:** Spot shoaling exists in the left and right outside quarters of the channel from the beginning of the reach until RED NUN #6. Three areas of major shoaling also exist in the channel and occupy most of the channel width. The first area begins at RED NUN #6 and extends approximately 2,930 ft until RED NUN #8. The second area begins approximately 2,525 ft east of GREEN CAN #9 for approximately 1,290 ft. Further east, approximately 1,375 ft, the third area of shoaling begins for approximately 1,640 ft.
- **Reach I:** Spot shoaling up to 250 ft in length is present in the left outside quarter of the channel occupying up to the entire quarter width. One shoal is located approximately 3,150 ft north of GREEN CAN #19 and another shoal is located approximately 1,460 ft east of RED NUN #32.